

Patent Abstracts of Japan

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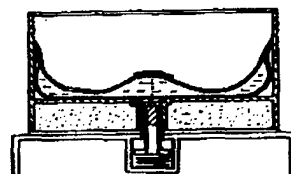
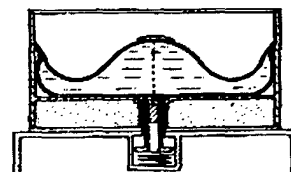
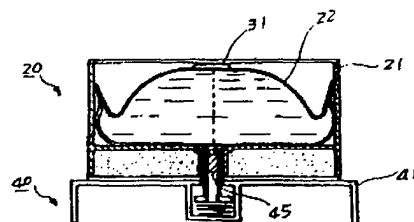
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TITLE : INK RESERVOIR



ABSTRACT : PURPOSE: To obtain an ink reservoir wherein the ink in an ink receiving bag is consumed without wastefulness and the detection of a residual amount can be performed stably, by prescribing the lateral width of the ink receiving bag.

CONSTITUTION: An ink receiving bag 22 is received in a housing 21 having an inner dimension narrower than the lateral width of said bag 22. At this time, the receiving bag 22 is pushed in the housing 21 in such a state that the tab parts at both ends of bag 22 are directed upwardly and the central part of the ink receiving bag 22 is pushed up by tab parts between which the lateral width is prescribed by the inner dimension of the housing and raised along the long side direction to form a flat protruded roof shaped protrusion. This protruded shape is generated in spite of the deformation of the ink receiving bag 22 with the consumption of ink and an ink flow passage is stably formed in the bottom surface side. When the residual amount of the ink is slight, the change ratio in the height of the ink receiving bag 22 to the consumption amount of ink becomes large. This phenomenon is generated because the effective bottom area of the ink receiving bag contributing to the change in the height is small and ink finish detection sensitivity is especially enhanced.

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